

10/ 089,215

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NEWS 3 SEP 09 CA/CAplus records now contain indexing from 1907 to the present
NEWS 4 DEC 08 INPADOC: Legal Status data reloaded
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NEWS 6 OCT 10 PCTFULL: Two new display fields added
NEWS 7 OCT 21 BIOSIS file reloaded and enhanced
NEWS 8 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 9 NOV 24 MSDS-CCOHS file reloaded
NEWS 10 DEC 08 CABAB reloaded with left truncation
NEWS 11 DEC 08 IMS file names changed
NEWS 12 DEC 09 Experimental property data collected by CAS now available in REGISTRY
NEWS 13 DEC 09 STN Entry Date available for display in REGISTRY and CA/CAplus
NEWS 14 DEC 17 DGENE: Two new display fields added
NEWS 15 DEC 18 BIOTECHNO no longer updated
NEWS 16 DEC 19 CROPU no longer updated; subscriber discount no longer available
NEWS 17 DEC 22 Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS 18 DEC 22 IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS 19 DEC 22 ABI-INFORM now available on STN
NEWS 20 JAN 27 Source of Registration (SR) information in REGISTRY updated and searchable
NEWS 21 JAN 27 A new search aid, the Company Name Thesaurus, available in CA/CAplus
NEWS 22 FEB 05 German (DE) application and patent publication number format changes

NEWS EXPRESS DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
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=> file reg
COST IN U.S. DOLLARS
SINCE FILE ENTRY TOTAL
SESSION
0.21 0.21
FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 19:53:26 ON 02 MAR 2004
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1
DICTIONARY FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

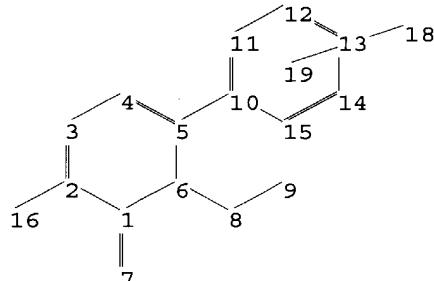
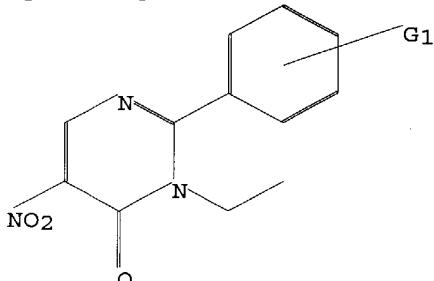
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See **HELP CROSSOVER** for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=>  
Uploading C:\STNEXP4\QUERIES\10089215.str
```



```

chain nodes :
7 8 16 18
ring nodes :
1 2 3 4 5 6 10 11 12 13 14 15
ring/chain nodes :
9
chain bonds :
1-7 2-16 5-10 6-8 8-9
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15
exact/norm bonds :
1-2 1-6 1-7 2-3 3-4 4-5 5-6 6-8
exact bonds :
2-16 5-10 8-9
normalized bonds :

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10/ 089,215

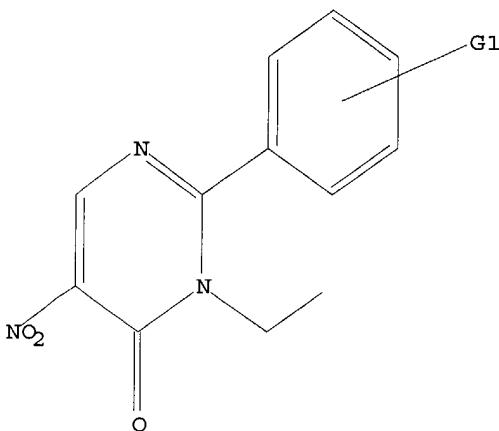
10-11 10-15 11-12 12-13 13-14 14-15
isolated ring systems :
containing 1 : 10 :

G1 : H, X

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 18:CLASS 19:CLASS

L1 STRUCTURE UPLOADED

=> d 11
L1 HAS NO ANSWERS
L1 STR



G1 H, X

Structure attributes must be viewed using STN Express query preparation.

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=> s 11 ful
FULL SEARCH INITIATED 19:53:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      492 TO ITERATE
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100.0% PROCESSED 492 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.01

L2 7 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE ENTRY 155.42	TOTAL SESSION 155.63
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FILE 'CAPLUS' ENTERED AT 19:53:51 ON 02 MAR 2004
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FILE COVERS 1907 - 2 Mar 2004 VOL 140 ISS 10
FILE LAST UPDATED: 1 Mar 2004 (20040301/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 12
L3 2 L2

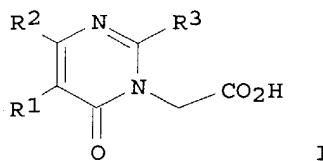
=> d 13 1- ibib abs hitstr
YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/ (N) :Y

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:504763 CAPLUS
DOCUMENT NUMBER: 137:78963
TITLE: Preparation of pyrimidine derivatives as pharmaceutical intermediates
INVENTOR(S): Sugiura, Tsuneyuki; Horiuchi, Toshihide; Miyazaki, Toru; Kojima, Tsutomu; Hashimoto, Shinsuke
PATENT ASSIGNEE(S): Ono Pharmaceutical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 83 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

label

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002051815	A1	20020704	WO 2001-JP11371	20011225
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1346985	A1	20030924	EP 2001-995000	20011225
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
PRIORITY APPLN. INFO.:			JP 2000-395012	A 20001226
			WO 2001-JP11371	W 20011225
OTHER SOURCE(S):	CASREACT 137:78963; MARPAT 137:78963			
GI				

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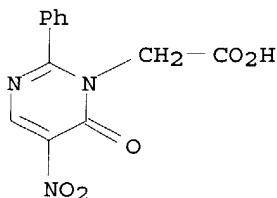
I

AB Claimed are pyrimidine derivs. I [R1 = amino, etc.; R2 = H, Cl, etc.; R3 = alkyl, etc.]. I are pharmaceutical intermediates. Processes for preparing I are claimed. For example, treatment of benzamidinoacetic acid with EtONa in EtOH, followed by reaction with 4-ethoxymethylene-2-phenyloxazolin-5-one, gave (after workup) I [R1 = benzoylamino; R2 = H; R3 = phenyl].

IT 331985-90-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of pyrimidine derivs. as pharmaceutical intermediates)

RN 331985-90-1 CAPLUS

CN 1(6H)-Pyrimidineacetic acid, 5-nitro-6-oxo-2-phenyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:247318 CAPLUS
DOCUMENT NUMBER: 134:266320
TITLE: Preparation process of pyrimidine derivatives and drugs containing the same as the active ingredient as elastase inhibitors
INVENTOR(S): Kojima, Tsutomu; Okada, Takanori; Hachiya, Katsutoshi; Motoi, Takahiro; Hashimoto, Shinsuke
PATENT ASSIGNEE(S): Ono Pharmaceutical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 60 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

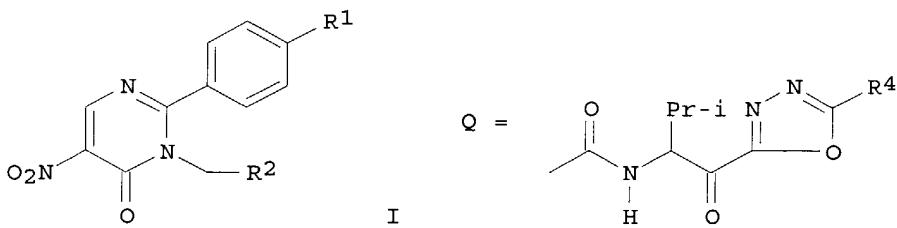
Applicant's

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001023361	A1	20010405	WO 2000-JP6601	20000926
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,			

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CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
AU 2000074446 A5 20010430 AU 2000-74446 20000926
EP 1219608 A1 20020703 EP 2000-962848 20000926
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL
BR 2000014319 A 20020716 BR 2000-14319 20000926
NZ 517962 A 20031128 NZ 2000-517962 20000926
NO 2002001527 A 20020527 NO 2002-1527 20020326
PRIORITY APPLN. INFO.: JP 1999-271843 A 19990927
WO 2000-JP6601 W 20000926

OTHER SOURCE(S): MARPAT 134:266320
GI



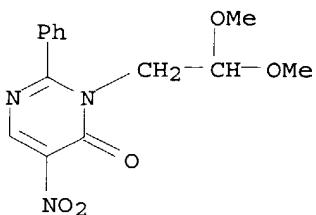
AB Title compds. [I; R₁ is H or F; R₂ is -CH(OR₃)₂, CHO, COOH, alkoxy carbonyl, furan-2-yl, Q, or the like; R₃ is Me or Et; and R₄ is alkyl, Ph, (substituted) benzyl, or the like] or nontoxic salts thereof, useful as intermediates for the synthesis of drugs and/or as drugs, particularly elastase inhibitors, are prepared and tested. Thus, the title compound was prepared via six processes.

IT 331985-85-4P 331985-86-5P 331985-87-6P
331985-88-7P 331985-89-8P 331985-90-1P
331985-91-2P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of pyrimidine derivs. and drugs containing the same as the active ingredient as elastase inhibitors)

RN 331985-85-4 CAPLUS

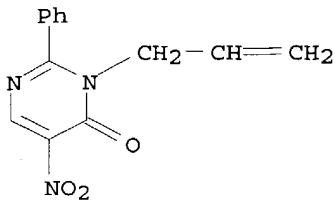
CN 4 (3H)-Pyrimidinone, 3-(2,2-dimethoxyethyl)-5-nitro-2-phenyl- (9CI) (CA INDEX NAME)



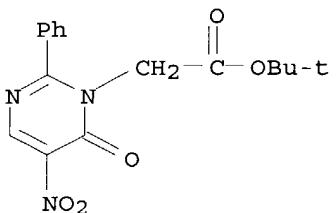
RN 331985-86-5 CAPLUS

CN 4 (3H)-Pyrimidinone, 5-nitro-2-phenyl-3-(2-propenyl)- (9CI) (CA INDEX NAME)

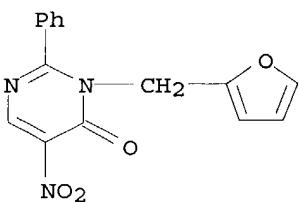
10/ 089,215



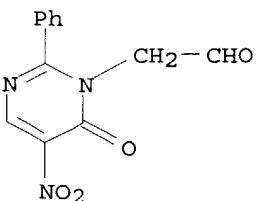
RN 331985-87-6 CAPLUS
CN 1(6H)-Pyrimidineacetic acid, 5-nitro-6-oxo-2-phenyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 331985-88-7 CAPLUS
CN 4(3H)-Pyrimidinone, 3-(2-furanylmethyl)-5-nitro-2-phenyl- (9CI) (CA INDEX NAME)

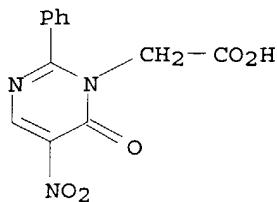


RN 331985-89-8 CAPLUS
CN 1(6H)-Pyrimidineacetaldehyde, 5-nitro-6-oxo-2-phenyl- (9CI) (CA INDEX NAME)

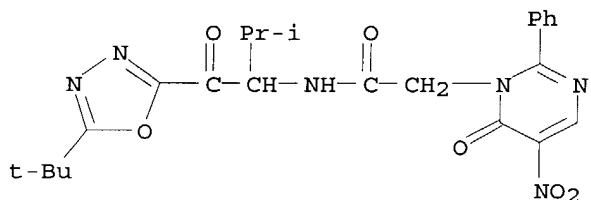


RN 331985-90-1 CAPLUS
CN 1(6H)-Pyrimidineacetic acid, 5-nitro-6-oxo-2-phenyl- (9CI) (CA INDEX NAME)

10/ 089,215



RN 331985-91-2 CAPLUS
CN 1(6H)-Pyrimidineacetamide, N-[1-[[5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2-yl]carbonyl]-2-methylpropyl]-5-nitro-6-oxo-2-phenyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 19:53:09 ON 02 MAR 2004)

FILE 'REGISTRY' ENTERED AT 19:53:26 ON 02 MAR 2004

L1 STRUCTURE uploaded
L2 7 S L1 FUL

FILE 'CAPLUS' ENTERED AT 19:53:51 ON 02 MAR 2004
L3 2 S L2

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.95	165.58
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.39	-1.39

STN INTERNATIONAL LOGOFF AT 19:54:15 ON 02 MAR 2004